

METHOD AND APPARATUS FOR A TRAFFIC SHAPER

Abstract of the Disclosure

5 Packets of data from multiple queues are transferred onto a single
channel. Each queue has associated with it a data rate for servicing a packet
within the queue. Each queue has an integer that, relative to the other numbers,
represents is inversely related to the assigned data rate. Each queue has
associated with it a counter and that is loaded with its corresponding integer.
10 The counter values are compared, and the queue corresponding to the lowest
counter value has a packet coupled to the channel. The counter of the selected
queue is incremented by its integer. The next queue that is selected is the one
that corresponds to the counter with the lowest count value after the counter that
corresponds to the previously selected queue has been updated.

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